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C L A I M S

1. (amended) A moisture detection device characterized by comprising:
  - a mirror whose mirror surface is exposed to a gas to be measured;
  - minute projections formed on the mirror surface of said mirror;
  - cooling means for cooling said mirror;
  - light-emitting means for applying light to the mirror surface;
  - light-receiving means for receiving reflected light of light applied from said light-emitting means to the mirror surface; and
  - means for detecting moisture which is produced on the mirror surface of said mirror which is cooled by said cooling means on the basis of the reflected light received by said light-receiving means,
- wherein the projection is formed by using a photoresist and etching.
2. A moisture detection device according to claim 1, characterized in that the projection comprises a projection with a pointed tip.
3. A moisture detection device according to claim 1, characterized in that the projection comprises a columnar projection.
4. A moisture detection device according to claim 1, characterized in that the projection comprises

a semispherical projection.

5. (deleted)

6. (deleted)

7. (deleted)